

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-07 16:52:39

Date of Next Testing: 2027-03-06 16:52:39

Product Name: **1-Methyl-2-pyrrolidine ethanol**

CAS Number: 67004-64-2

Specifications & Purity: $\geq 98\%$

Lot #: G1516048

SKU #: **M102052**

Version: **0**

Analysis #: **195126**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.36000 %
Purity(GC)	98-100 (%)	99.56000 %
Density (20°C)	0.961-0.965	0.96400
Purity(Neutralization titration)	97.5-102.5 (%)	98.50000 %
Refractive index n ₂₀ /D	1.47-1.472	1.47100
Appearance (M102052)	Yellow to Dark Gold Liquid	Yellow to Dark Gold Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager